

U.S.S.N. 09/226,044
Filed: January 5, 1999
AMENDMENT AND
RESPONSE TO OFFICE ACTION

5 and about 6.5],

*Sub D1
contd*
a second [polymeric or monomeric] unit conjugated to, complexed with, or incorporated [into] with the first pH- sensitive polymer, [which polymeric or monomeric] wherein the unit [enhances disruption of the membrane or bonds to] is selected from the group consisting of a carrier [or], a therapeutic [or] agent, a diagnostic agent and combinations thereof.

*C 1
C cancell
Sub D2*
5. (twice amended) The composition of claim 1 comprising a therapeutic or diagnostic agent, further comprising a pharmaceutically acceptable carrier [diagnostic or therapeutic agent].

Sub D3
7. (twice amended) The composition of claim 1 wherein the second unit comprises a polymer and the first polymer and the second [polymeric or monomeric] unit form a graft copolymer, block copolymer, random copolymer or blend.

8. (twice amended) The composition of claim 1 wherein the second [polymeric or monomeric] unit is [coupled with] linked to a ligand binding to the surface of a cell.

*Sub D2
C*
11. (twice amended) The composition of claim 1 wherein the second [polymer is] unit comprises a polycationic polymer.

C 3
15. (twice amended) A method for enhancing transport of agents through [lipid-containing] membranes comprising administering to the [lipid-containing] membrane any of the compositions of claims 1, 5, 7-13, and 26-32.

*Sub D4
C 4*
20. (twice amended) The method of claim 15 wherein the composition is administered in combination with electrophoresis, ultrasound or iontophoresis.

*Sub D5
C 5*
22. (twice amended) The method of claim 21 wherein the stimulus means is selected from the group consisting of changes in pH, light, ionic strength, solvent composition,

C⁵ Canceled
temperature, and electric field.

Sub D^b
C^b
26. (amended) The composition of claim 11 wherein the polycationic material is selected from the group consisting of chitosan, polylysine, polyethyleneimine, poly(propyleneimine, aminodextran, collagen, polyvinylimidazole, and N,N-dimethylaminoethyl methylacrylate.

Sub D^c
28. (amended) The composition of claim 7 wherein the [second polymeric or monomeric unit] pH sensitive polymer is selected from the group consisting of acrylic acid; C₁₋₆ straight chain, branched, ethylene-acrylic acid copolymers, and cyclic 2-alpha-alkyl acrylic acids; and esters of acrylic acid copolymerized with acrylic acid.

C⁷
29. (amended) The composition of claim 7 wherein the second [polymeric or monomeric unit] units [are] comprise polymeric blocks comprising proteins or peptides which include imidazole groups.

30. (amended) The composition of claim 1 wherein the second [polymeric or monomeric] unit [is] comprises a lipid or phospholipid.

31. (amended) The composition of claim 1 wherein the second [polymeric or monomeric units comprise] unit comprises sulfonated groups.

32. (amended) The composition of claim 1 wherein the second [polymeric or monomeric] unit is sensitive to a stimulus selected from the group consisting of temperature, light, electrical stimuli, radiation, pH and ion concentration.